CLAIMS

What is claimed is:

- 1 1. A method of determining a client ID comprising:
- 2 receiving a request from a first user terminal; and
- 3 extracting a client ID from the request, wherein the client ID includes the
- 4 client ID for the first user terminal.
- 1 2. The method of claim 1 wherein the request is received in a front-end
- 2 processor.
- 1 3. The method of claim 1 wherein the request includes a WTLS handshake and
- 2 wherein extracting a client ID for the first user terminal includes:
- 3 extracting a session ID from the WTLS handshake; and
- 4 determining the client ID from the session ID.
- 1 4. The method of claim 3 wherein the WTLS handshake includes a WTLS full
- 2 handshake.
- 1 5. The method of claim 3 wherein the WTLS handshake includes a WTLS
- 2 abbreviated handshake.

- 1 6. The method of claim 1 wherein the request includes a WSP connect and
- 2 wherein extracting a client ID for the first user terminal includes extracting the client
- 3 ID from the WSP connect.
- 1 7. The method of claim 1 wherein the request includes a WSP resume and
- 2 wherein extracting a client ID for the first user terminal includes extracting the client
- 3 ID from the WSP resume.
- 1 8. A method of balancing a data load on a network comprising:
- 2 receiving a request from a client;
- determining a first source address and a first source port from the request;
- 4 remapping the first source address of the request to a front-end processor
- 5 source address;
- 6 remapping the first source port of the request to an front-end processor
- 7 source port; and
- 8 sending the remapped request to an origin server.
- 1 9. The method of claim 8, wherein determining a first source address and a first
- 2 source port from the request includes:
- 3 receiving a WSP connect; and
- 4 extracting a client ID from the WSP connect.

- 1 10. The method of claim 8, wherein determining a first source address and a first
- 2 source port from the request includes:
- 3 receiving a WSP resume; and
- 4 extracting a client ID from the WSP resume.
- 1 11. The method of claim 8, wherein determining a first source address and a first
- 2 source port from the request includes:
- 3 receiving a abbreviated WTLS handshake;
- 4 extracting a session ID from the abbreviated WTLS handshake; and
- 5 determining the client ID from the session ID.
- 1 12. The method of claim 8, wherein determining a first source address and a first
- 2 source port from the request includes:
- 3 receiving a full WTLS handshake;
- 4 extracting a session ID from the full WTLS handshake; and
- determining the client ID from the session ID.
- 1 13. The method of claim 8, wherein remapping the first source address of the
- 2 request to a front-end processor source address includes:
- 3 storing the first source address and the corresponding front-end processor
- 4 source address; and
- 5 storing the first source port and the corresponding front-end processor source
- 6 port.

- 1 14. The method of claim 13, wherein storing includes storing the corresponding
- 2 source addresses and the corresponding source ports in a table.
- 1 15. The method of claim 8, wherein:
- 2 if the request includes at least one of a group consisting of a WSP connect, a
- 3 WSP resume, and a WTLS handshake, then:
- 4 assigning the client to a selected agent of a plurality of agents, such that a
- 5 data load is substantially balanced across the plurality of agents.
- 1 16. The method of claim 8, further comprising:
- 2 receiving a response from the origin server, wherein the response is
- 3 responding to the remapped request and wherein the response is received in the
- 4 front-end processor;
- 5 remapping the origin server response source address to the front-end
- 6 processor source address;
- 7 remapping the origin server response source port to the front-end processor
- 8 source port; and
- 9 sending the remapped response to the client.
- 1 17. The method of claim 8, wherein remapping the first source address of the
- 2 request to the front-end processor source address includes remapping the first source

- 3 address of the request to a selected agent source address wherein the selected agent
- 4 is one of a plurality of agents; and
- 5 wherein remapping the first source port of the request to the front-end
- 6 processor source port includes remapping the first source port of the request to the
- 7 selected agent source port.
- 1 18. The method of claim 8, wherein the network includes a wireless network.
- 1 19. The method of claim 8, wherein the client is a mobile user terminal.
- 1 20. A method of assigning an agent comprising:
- 2 receiving a response from an origin server to a request from a first mobile
- 3 user terminal, wherein the first mobile user terminal and the origin server are
- 4 coupled by a circuit switched network; and
- 5 confirming an IP address for the first mobile user terminal including:
- 6 determining the client ID of the first mobile user terminal; and
- 7 comparing a current IP address assigned to the first mobile user
- 8 terminal to the destination address of the response.
- 1 21. The method of claim 20 further comprising:
- 2 updating the destination address of the response if the destination address of
- 3 the response is not the same as the current IP address assigned to the first mobile
- 4 user terminal.

- 1 22. The method of claim 20 wherein the IP address is confirmed by a front-end
- 2 processor.
- 1 23. The method of claim 20 wherein determining the client ID of the first mobile
- 2 user terminal includes extracting the client ID from the response.
- 1 24. The method of claim 23 wherein extracting the client ID includes extracting
- 2 the client ID from at least one of a group consisting of a WSP connect, a WSP
- 3 resume, and a WTLS handshake.
- 1 25. A system for determining a client ID comprising
- a processor;
- a storage facility coupled to the processor and containing instructions
- 4 executable by the processor which configure the processing system to
- 5 receive a request from a first user terminal; and
- 6 extract a client ID from the request, wherein the client ID includes the
- 7 client ID for the first user terminal; and
- 8 a network coupled to the processor.
- 1 26. The system of claim 25 further comprising:
- a front-end processor and wherein the request is received in the front-end
- 3 processor.

- 1 27. The system of claim 25 wherein the request includes at least one of a group
- 2 consisting of a WTLS handshake, a WSP connect, and a WSP resume.
- 1 28. A system for balancing a data load on a network comprising
- a processor;
- a network coupled to the processor;
- a front-end processor coupled to the network;
- 5 a client coupled to the network; and
- a storage facility coupled to the processor and containing instructions
- 7 executable by the processor which configure the processing system to:
- 8 receive a request from the client;
- 9 determine a first source address and a first source port from the
- 10 request;
- remap the first source address of the request to a front-end processor
- source address;
- remap the first source port of the request to an front-end processor
- source port; and
- send the remapped request to an origin server.
- 1 29. The system of claim 28 wherein the determine a first source address and a
- 2 first source port from the request includes:

- 3 receiving at least one of a group consisting of a WTLS handshake, a WSP
- 4 connect, and a WSP resume.
- 1 30. The system of claim 28 wherein the determine a first source address and a
- 2 first source port from the request includes:
- receiving at least one of a group consisting of a WTLS handshake, a WSP
- 4 connect, and a WSP resume.
- 1 31. The system of claim 28 wherein the remap the first source address of the
- 2 request to a front-end processor source address includes:
- 3 storing the first source address and the corresponding front-end processor
- 4 source address; and
- 5 storing the first source port and the corresponding front-end processor source
- 6 port.
- 1 32. The system of claim 28 wherein the storage facility coupled to the processor
- 2 and further contains instructions executable by the processor which configure the
- 3 processing system to:
- 4 receive a response from the origin server, wherein the response is responding
- 5 to the remapped request and wherein the response is received in the front-end
- 6 processor;
- 7 remap the origin server response source address to the front-end processor
- 8 source address;

- 9 remap the origin server response source port to the front-end processor
- source port; and
- send the remapped response to the client.
- 1 33. The system of claim 28 wherein the remap the first source address of the
- 2 request to a front-end processor source address includes remapping the first source
- 3 address of the request to a selected agent source address wherein the selected agent
- 4 is one of a plurality of agents; and
- 5 wherein remapping the first source port of the request to the front-end
- 6 processor source port includes remapping the first source port of the request to the
- 7 selected agent source port.
- 1 34. The system of claim 28, wherein the network includes a wireless network.
- 1 35. The system of claim 28, wherein the client is a mobile user terminal.
- 1 36. A system for assigning an agent comprising:
- 2 a processor;
- a network coupled to the processor;
- a front-end processor coupled to the network;
- 5 a client coupled to the network; and
- a storage facility coupled to the processor and containing instructions
- 7 executable by the processor which configure the processing system to

8	receive a response from an origin server to a request from a first
9	mobile user terminal, wherein the first mobile user terminal and the origin
10	server are coupled by a circuit switched network; and
11	confirm an IP address for the first mobile user terminal including:
12	determine the client ID of the first mobile user terminal; and
13	compare a current IP address assigned to the first mobile user
14	terminal to the destination address of the response.
1	37. The system of claim 36 wherein the storage facility coupled to the processor
2	and further contains instructions executable by the processor which configure the
3	processing system to:
4	update the destination address of the response if the destination address of
5	the response is not the same as the current IP address assigned to the first mobile
6	user terminal.

- 1 38. The system of claim 36 wherein the IP address is confirmed by the front-end 2 processor.
- 1 39. The system of claim 36 wherein the determine the client ID of the first
- 2 mobile user terminal includes extracting the client ID from the response.

- 1 40. The system of claim 39 wherein extracting the client ID includes extracting
- 2 the client ID from at least one of a group consisting of a WSP connect, a WSP
- 3 resume, and a WTLS handshake.
- 1 41. A system for of determining a client ID comprising:
- a means for receiving a request from a first user terminal; and
- a means for extracting a client ID from the request, wherein the client ID
- 4 includes the client ID for the first user terminal.
- 1 42. A system for balancing a data load on a network comprising:
- a means for receiving a request from a client;
- a means for determining a first source address and a first source port from the
- 4 request;
- a means for remapping the first source address of the request to a front-end
- 6 processor source address;
- a means for remapping the first source port of the request to an front-end
- 8 processor source port; and
- a means for sending the remapped request to an origin server.
- 1 43. A system for assigning an agent comprising:
- a means for receiving a response from an origin server to a request from a
- 3 first mobile user terminal, wherein the first mobile user terminal and the origin
- 4 server are coupled by a circuit switched network; and

a means for confirming an IP address for the first mobile user termina	5
6 including:	6
7 a means for determining the client ID of the first mobile user	7
8 terminal; and	8
a means for comparing a current IP address assigned to the fir	9
mobile user terminal to the destination address of the response.	10